

**PCT REQUEST**

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| <b>0</b>     | <b>For receiving Office use only</b>   |   |
| <b>0-1</b>   | International Application No.  |   |
| <b>0-2</b>   | International Filing Date  |   |
| <b>0-3</b>   | Name of receiving Office and "PCT International Application"   |   |
| <b>0-4</b>   | <b>Form PCT/RO/101 PCT Request</b>   |   |
| <b>0-4-1</b> | Prepared Using   | <b>PCT-SAFE<br/>Version 3.50 (Build 0002.162)</b>                               |
| <b>0-5</b>   | <b>Petition</b><br>The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty |   |
| <b>0-6</b>   | <b>Receiving Office (specified by the applicant)</b>   | <b>Korean Intellectual Property Office<br/>(RO/KR)</b>                          |
| <b>0-7</b>   | <b>Applicant's or agent's file reference</b>   | <b>PCT000005</b>  |
| <b>I</b>     | <b>Title of Invention</b>  | <b>CERIA ABRASIVE FOR CMP</b>   |
| <b>II</b>    | <b>Applicant</b>   |   |
| <b>II-1</b>  | This person is   | <b>applicant only</b>   |
| <b>II-2</b>  | Applicant for  | <b>all designated States except US</b>  |
| <b>II-4</b>  | Name   | <b>K.C.TECH CO., LTD.</b>   |
| <b>II-5</b>  | Address  | <b>274-14, Geruk-Ri<br/>Miyang-Myon<br/>Ansong456-840<br/>Republic of Korea</b> |
| <b>II-6</b>  | State of nationality   | <b>KR</b>   |
| <b>II-7</b>  | State of residence   | <b>KR</b>   |
| <b>II-8</b>  | Telephone No.  | <b>+82-31-670-8000</b>  |
| <b>II-9</b>  | Facsimile No.  | <b>+82-31-677-6017</b>  |
| <b>II-11</b> | Applicant's registration No. with the Office   | <b>1-1998-700597-5</b>  |

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| <b>III-1</b> | <b>Applicant and/or inventor</b>             |  |
| III-1-1      | This person is                               | <b>applicant only</b>  |
| III-1-2      | Applicant for                                | <b>all designated States except US</b>   |
| III-1-4      | Name   | <b>HANYANG HAK WON CO., LTD.</b>   |
| III-1-5      | Address                                      | <b>17, Haengdang-Dong<br/>Sungdong-Gu<br/>Seoul133-791<br/>Republic of Korea</b>                                       |
| III-1-6      | State of nationality                         | <b>KR</b>  |
| III-1-7      | State of residence                           | <b>KR</b>  |
| III-1-11     | Applicant's registration No. with the Office | <b>2-1998-096893-2</b>   |
| <b>III-2</b> | <b>Applicant and/or inventor</b>             |  |
| III-2-1      | This person is                               | <b>applicant and inventor</b>  |
| III-2-2      | Applicant for                                | <b>US only</b>   |
| III-2-4      | Name (LAST, First)                           | <b>PAIK, Un-Gyu</b>  |
| III-2-5      | Address                                      | <b>10-803, Sun-Kyoung Apt.<br/>DaeChi-Dong, KangNam-Gu<br/>Seoul135-836<br/>Republic of Korea</b>                      |
| III-2-6      | State of nationality                         | <b>KR</b>  |
| III-2-7      | State of residence                           | <b>KR</b>  |
| <b>III-3</b> | <b>Applicant and/or inventor</b>             |  |
| III-3-1      | This person is                               | <b>applicant and inventor</b>  |
| III-3-2      | Applicant for                                | <b>US only</b>   |
| III-3-4      | Name (LAST, First)                           | <b>PARK, Jae-Gun</b>   |
| III-3-5      | Address                                      | <b>1003-1901, Kun-Young Apt.<br/>Mugigae-Maul, Gumi-Dong,<br/>BunDang-Gu<br/>Sung-Nam463-500<br/>Republic of Korea</b> |
| III-3-6      | State of nationality                         | <b>KR</b>  |
| III-3-7      | State of residence                           | <b>KR</b>  |

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|         |                                  |  |
|---------|----------------------------------|--|
| III-4   | <b>Applicant and/or inventor</b> |  |
| III-4-1 | This person is                   | <b>applicant and inventor</b>  |
| III-4-2 | Applicant for                    | <b>US only</b>   |
| III-4-4 | Name (LAST, First)               | <b>KIM, Sang-Kyun</b>  |
| III-4-5 | Address                          | <b>7-303, Nam-Young Apt.<br/>HaDan-Dong, Saha-Gu<br/>Busan604-020<br/>Republic of Korea</b>                  |
| III-4-6 | State of nationality             | <b>KR</b>  |
| III-4-7 | State of residence               | <b>KR</b>  |
| III-5   | <b>Applicant and/or inventor</b> |  |
| III-5-1 | This person is                   | <b>applicant and inventor</b>  |
| III-5-2 | Applicant for                    | <b>US only</b>   |
| III-5-4 | Name (LAST, First)               | <b>KATOH, Takeo</b>  |
| III-5-5 | Address                          | <b>305-104, Byuck-San Apt.<br/>1 Ga 633, GeumHo-Dong, SungDong-Gu<br/>Seoul133-800<br/>Republic of Korea</b> |
| III-5-6 | State of nationality             | <b>JP</b>  |
| III-5-7 | State of residence               | <b>KR</b>  |
| III-6   | <b>Applicant and/or inventor</b> |  |
| III-6-1 | This person is                   | <b>applicant and inventor</b>  |
| III-6-2 | Applicant for                    | <b>US only</b>   |
| III-6-4 | Name (LAST, First)               | <b>PARK, Yong-Kook</b>   |
| III-6-5 | Address                          | <b>208, Nam-Gang Green House<br/>219-2, SaGeun-Dong, SungDong-Gu<br/>Seoul133-817<br/>Republic of Korea</b>  |
| III-6-6 | State of nationality             | <b>KR</b>  |
| III-6-7 | State of residence               | <b>KR</b>  |

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|               |   |   |
|---------------|---|---|
| <b>IV-1</b>   | <b>Agent or common representative; or address for correspondence</b><br>The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:   | <b>agent</b>  |
| <b>IV-1-1</b> | Name (LAST, First)  | <b>NAM, Seung-Hee</b>   |
| <b>IV-1-2</b> | Address   | <b>2F, Myung-Jin Bldg.<br/>746-9, Yeoksam-dong, Gangnam-Gu<br/>Seoul135-080<br/>Republic of Korea</b> |
| <b>IV-1-3</b> | Telephone No.   | <b>+82-2-554-6222</b>   |
| <b>IV-1-4</b> | Facsimile No.   | <b>+82-2-553-8776</b>   |
| <b>IV-1-5</b> | e-mail  | <b>shnam@eruum.com</b>  |
| <b>IV-1-6</b> | Agent's registration No.  | <b>9-2003-000036-2</b>  |
| <b>V</b>      | <b>DESIGNATIONS</b>   |   |
| <b>V-1</b>    | The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the International filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.  |   |
| <b>V-2</b>    | Item V-2 may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. As to the consequences of such national law provisions in these and certain other States, see Designations in PCT-SAFE Help. | <b>KR</b>   |
| <b>VI-1</b>   | <b>Priority claim of earlier national application</b>   |   |
| <b>VI-1-1</b> | Filing date   | <b>15 May 2003 (15.05.2003)</b>   |
| <b>VI-1-2</b> | Number  | <b>10-2003-0030880</b>  |
| <b>VI-1-3</b> | Country   | <b>KR</b>   |
| <b>VI-2</b>   | <b>Priority document request</b><br>The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):   | <b>VI-1</b>   |
| <b>VII-1</b>  | <b>International Searching Authority Chosen</b>   | <b>Korean Intellectual Property Office (ISA/KR)</b>   |

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|-------------|--|-----------------------------------|------------------------------------|
| <b>VIII</b> | <b>Declarations</b>  | <b>Number of declarations</b>     |                                    |
| VIII-1      | Declaration as to the identity of the inventor   | -                                 |                                    |
| VIII-2      | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | -                                 |                                    |
| VIII-3      | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | -                                 |                                    |
| VIII-4      | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | -                                 |                                    |
| VIII-5      | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | -                                 |                                    |
| <b>IX</b>   | <b>Check list</b>  | <b>number of sheets</b>           | <b>electronic file(s) attached</b> |
| IX-1        | Request (including declaration sheets)   | <b>6</b>                          | ✓                                  |
| IX-2        | Description  | <b>14</b>                         | ✓                                  |
| IX-3        | Claims   | <b>3</b>                          | ✓                                  |
| IX-4        | Abstract   | <b>1</b>                          | ✓                                  |
| IX-5        | Drawings   | <b>4</b>                          | ✓                                  |
| IX-7        | <b>TOTAL</b>   | <b>28</b>                         |                                    |
|             | <b>Accompanying Items</b>  | <b>paper document(s) attached</b> | <b>electronic file(s) attached</b> |
| IX-8        | Fee calculation sheet  | -                                 | ✓                                  |
| IX-9        | Original separate power of attorney  | -                                 | ✓                                  |
| IX-17       | PCT-SAFE physical media  | -                                 | -                                  |
| IX-19       | Figure of the drawings which should accompany the abstract   | <b>1</b>                          |                                    |
| IX-20       | Language of filing of the International application  | <b>English</b>                    |                                    |
| X-1         | Signature of applicant, agent or common representative   | <b>(PKCS7 Digital Signature)</b>  |                                    |
| X-1-1       | Name (LAST, First)   | <b>NAM, Seung-Hee</b>             |                                    |
| X-1-2       | Name of signatory  |                                   |                                    |
| X-1-3       | Capacity   |                                   |                                    |

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|--------|---|--------|
| 10-1   | Date of actual receipt of the purported international application   |        |
| 10-2   | Drawings:   |        |
| 10-2-1 | Received  |        |
| 10-2-2 | Not received  |        |
| 10-3   | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application |        |
| 10-4   | Date of timely receipt of the required corrections under PCT Article 11(2)  |        |
| 10-5   | International Searching Authority   | ISA/KR |
| 10-6   | Transmittal of search copy delayed until search fee is paid   |        |

**FOR INTERNATIONAL BUREAU USE ONLY**

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|------|--|--|
| 11-1 | Date of receipt of the record copy by the International Bureau |  |
|------|--|--|

**PCT REQUEST (ANNEX - FEE CALCULATION SHEET)**

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| <b>0</b>      | <b>For receiving Office use only</b>                         |   |                     |
| <b>0-1</b>    | International Application No.                                |   |                     |
| <b>0-2</b>    | Date stamp of the receiving Office                           |   |                     |
| <b>0-4</b>    | <b>Form PCT/RO/101 (Annex)<br/>PCT Fee Calculation Sheet</b> |   |                     |
| <b>0-4-1</b>  | Prepared Using   | <b>PCT-SAFE<br/>Version 3.50 (Build 0002.162)</b> |                     |
| <b>0-9</b>    | Applicant's or agent's file reference                        | <b>PCT000005</b>                                  |                     |
| <b>2</b>      | Applicant  | <b>K.C.TECH CO., LTD.</b>                         |                     |
| <b>12</b>     | <b>Calculation of prescribed fees</b>                        | fee amount/multiplier                             | Total amounts (KRW) |
| <b>12-1</b>   | Transmittal fee <b>T</b>                                     | ⇒   | <b>45000</b>        |
| <b>12-2-1</b> | Search fee <b>S</b>  | ⇒   | <b>225000</b>       |
| <b>12-2-2</b> | International search to be carried out by                    | <b>KR</b>   |                     |
| <b>12-3</b>   | International filing fee<br>(first 30 sheets) <b>i1</b>      | <b>1329000</b>                                    |                     |
| <b>12-4</b>   | Remaining sheets <b>0</b>                                    |   |                     |
| <b>12-5</b>   | Additional amount <b>(X) 0</b>                               |   |                     |
| <b>12-6</b>   | Total additional amount <b>i2</b>                            | <b>0</b>  |                     |
| <b>12-7</b>   | <b>i1 + i2 = i</b>   | <b>1329000</b>                                    |                     |
| <b>12-12</b>  | Electronic Filing reduction (Full) <b>R</b>                  | <b>-285000</b>                                    |                     |
| <b>12-13</b>  | Total International filing fee (i-R) <b>i</b>                | ⇒   | <b>1044000</b>      |
| <b>12-14</b>  | Fee for priority document                                    |   |                     |
|               | Number of priority documents requested <b>1</b>              |   |                     |
| <b>12-15</b>  | Fee per document <b>(X) 0</b>                                |   |                     |
| <b>12-16</b>  | Total priority document fee: <b>P</b>                        | ⇒   |                     |
| <b>12-17</b>  | <b>TOTAL FEES PAYABLE (T+S+I+P)</b>                          | ⇒   | <b>1314000</b>      |
| <b>12-19</b>  | Mode of payment  | <b>cash</b>                                       |                     |

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|              |   |  |
|--------------|---|--|
| <b>0-1</b>   | <b>PCT Power of Attorney (for an international application filed under the Patent Cooperation Treaty) (PCT Rule 90.4)</b> |  |
| <b>0-1-1</b> | <b>Prepared Using</b>   | <b>PCT-SAFE<br/>Version 3.50 (Build 0002.162)</b>  |
| <b>1</b>     | <b>The undersigned applicant(s)</b>   | <b>K.C.TECH CO., LTD.; HANYANG HAK WON CO., LTD.</b>   |
| <b>1-1-1</b> | <b>hereby appoints (appoint) the following person</b>   | <b>NAM, Seung-Hee<br/>2F, Myung-Jin Bldg.<br/>746-9, Yeoksam-dong, Gangnam-Gu<br/>Seoul135-080<br/>Republic of Korea</b> |
| <b>1-2</b>   | <b>as</b>   | <b>agent</b>   |
| <b>1-3</b>   | <b>to represent the undersigned before</b>  | <b>all the competent International Authorities</b>   |
| <b>1-4</b>   | <b>in connection with the international application identified below:</b>   |  |
| <b>1-4-1</b> | <b>Title of Invention</b>   | <b>CERIA ABRASIVE FOR CMP</b>  |
| <b>1-4-2</b> | <b>Applicant's or agent's file reference</b>  | <b>PCT000005</b>   |
| <b>1-4-3</b> | <b>International application number (if already available)</b>  |  |
| <b>1-4-4</b> | <b>filed with the following Office as receiving Office</b>  | <b>Korean Intellectual Property Office (RO/KR)</b>   |
| <b>1-5</b>   | <b>and to make or receive payments on behalf of the undersigned</b>   |  |



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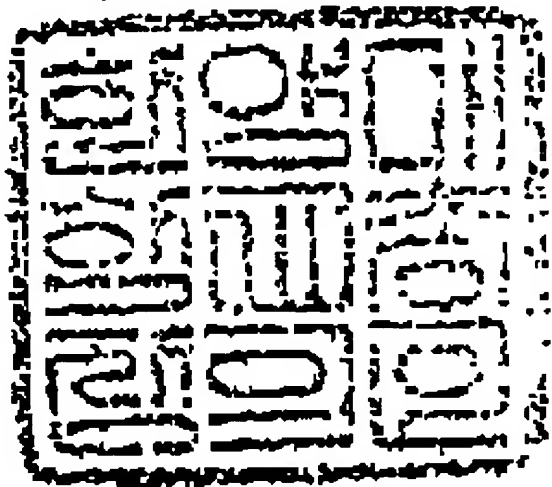
(This sheet is not part of and does not count as a sheet of the international application)

|              |   |  |
|--------------|---|--|
| <b>2-1</b>   | <b>Signature of applicant, agent or<br/>common representative</b> |  |
| <b>2-1-1</b> | Name  | <b>K.C.TECH CO., LTD.</b>  |
| <b>2-1-2</b> | Name of signatory   | <b>K.C.TECH CO., LTD.</b>  |
| <b>2-1-3</b> | Capacity  |  |

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|       |  |  |
|-------|--|--|
| 2-2   | Signature of applicant, agent or common representative |  |
| 2-2-1 | Name   | HANYANG HAK WON CO., LTD.  |
| 2-2-2 | Name of signatory                                      | HANYANG HAK WON CO., LTD.  |
| 2-2-3 | Capacity   |  |
| 3     | Date   | 14 May 2004 (14.05.2004)   |